

**03050205-030**  
**(Edisto River)**

### **General Description**

Watershed 03050205-030 is located in Colleton and Dorchester Counties and consists primarily of the *Edisto River* and its tributaries from Cattle Creek to Indian Field Swamp. The watershed occupies 45,828 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Chipley-Rains-Leon-Hobcaw-Lynchburg series. The erodibility of the soil (K) averages 0.15; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 0.74% urban land, 15.21% agricultural land, 2.77% scrub/shrub land, 0.85% barren land, 70.08% forested land, 9.07% forested wetland (swamp), 0.33% nonforested wetland (marsh), and 0.95% water.

This watershed accepts the drainage from the upstream reach of the Edisto River. This section of the river flows past Colleton State Park and accepts drainage from Brickhouse Branch, Crooked Creek, and Skull Branch. There are 59.3 stream miles in this watershed, all classified FW.

### **Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-014	S	FW	EDISTO RIVER AT US 15, S OF ST. GEORGE
E-086	P	FW	EDISTO RIVER AT S-18-29

*Edisto River* - There are two SCDHEC monitoring sites along this section of the Edisto River. Aquatic life uses are fully supported at the upstream site (E-014), but there is a significant decreasing trend in pH and a significant increasing trend in turbidity. Recreational uses are fully supported, but there is a significant increasing trend in fecal coliform bacteria concentration. Aquatic life and recreational uses are fully supported at the downstream site (E-086), but there are significant increasing trends in pH and turbidity.

*A fish consumption advisory has been issued by the Department for mercury and includes the streams within this watershed (see advisory p.31).*

### **Permitted Activities**

#### ***Point Source Contributions***

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
<i>PERMITTED FLOW @ PIPE (MGD)</i>	<i>LIMITATION</i>
EDISTO RIVER	SC0002020
SCE&G/CANADYS STATION	MAJOR INDUSTRIAL
PIPE #: 001,002,005 FLOW: MR	EFFLUENT
PIPE #: 003 FLOW: 1.18	EFFLUENT
PIPE #: 004 FLOW: 0.00	EFFLUENT
PIPE #: 006 FLOW: 3.79	EFFLUENT

### **Growth Potential**

There is a low potential for growth projected in this watershed.